

## COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled ADENOSINE RECEPTOR ANTAGONISTS AND METHODS OF MAKING AND USING THE SAME, the specification of which:

is attached hereto.  
 was filed on November 13, 2000 as Application Serial No. 09/711,543 and was amended on \_\_\_\_\_  
 was described and claimed in PCT International Application No. \_\_\_\_\_ filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim the benefit under Title 35, United States Code, §119(e)(1) of any United States provisional application(s) listed below:

U.S. Serial No.	Filing Date	Status
60/165,191	November 12, 1999	Pending

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Louis Myers, Reg. No.: 35,965  
Timothy A. French, Reg. No.: 30,175

Diana M. Collazo, Reg. No.: 46,635  
Laurie Butler Lawrence, Reg. No.: 46,593

Address all telephone calls to LOUIS MYERS at telephone number (617) 542-5070.

Address all correspondence to LOUIS MYERS at:

FISH & RICHARDSON P.C.  
225 Franklin Street  
Boston, MA 02110-2804

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

**Combined Declaration and Power of Attorney**

Page 2 of 3 Pages

Full Name of Inventor: WILLIAM F. KIESMAN



Date: 5/21/01

Inventor's Signature:

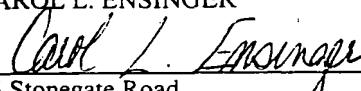
Residence Address:

92 Old Sudbury Road  
Wayland, MA 01778

Citizenship:

Post Office Address:  
92 Old Sudbury Road  
Wayland, MA 01778

Full Name of Inventor: CAROL L. ENSINGER



Date: 5/21/01

Inventor's Signature:

Residence Address:

76 Stonegate Road  
Chelmsford, MA 01824

Citizenship:

Post Office Address:  
76 Stonegate Road  
Chelmsford, MA 01824

Full Name of Inventor: RUSSELL C. PETTER



Date: 5/18/01

Inventor's Signature:

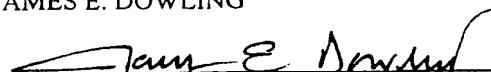
Residence Address:

343 Hudson Road  
Stow, MA 01775

Citizenship:

Post Office Address:  
343 Hudson Road  
Stow, MA 01775

Full Name of Inventor: JAMES E. DOWLING



Date: 5/21/01

Inventor's Signature:

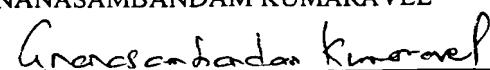
Residence Address:

30 Aberdeen Drive  
Scituate, MA 02066

Citizenship:

Post Office Address:  
30 Aberdeen Drive  
Scituate, MA 02066

Full Name of Inventor: GNANASAMBANDAM KUMARAVEL



Date: 5/21/01

Inventor's Signature:

Residence Address:

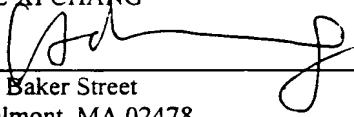
10 Perham Circle  
Westford, MA 01886

Citizenship:

Post Office Address:  
10 Perham Circle  
Westford, MA 01886

**Combined Declaration and Power of Attorney**  
Page 3 of 3 Pages

Full Name of Inventor: HE XI CHANG

Inventor's Signature: 

Date: 5-21-01

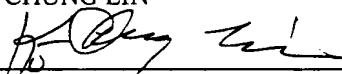
Residence Address:

16 Baker Street  
Belmont, MA 02478  
China

Citizenship:

Post Office Address:  
16 Baker Street  
Belmont, MA 02478

Full Name of Inventor: KO CHUNG LIN

Inventor's Signature: 

Date: 5/21/01

Residence Address:

253 Lincoln Street  
Lexington, MA 02421  
U.S.A.

Citizenship:

Post Office Address:  
253 Lincoln Street  
Lexington, MA 02421

20179193.doc

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Examiner : Not yet assigned  
Group : 1614  
Applicants : William F. Kiesman, et al.  
Application No.: 09/711,543 Confirmation No.: 7145  
Filed : November 13, 2000  
For : ADENOSINE RECEPTOR ANTAGONISTS AND  
METHODS OF MAKING AND USING THE SAME

Hon. Commissioner  
for Patents  
Washington, D.C. 20231

REVOCATION OF POWER OF ATTORNEY  
AND  
NEW POWER OF ATTORNEY

Sir:

Biogen, Inc., assignee of the entire right, title and interest in and to the above-identified patent application as evidenced by virtue of an assignment (copy enclosed) of William F. Kiesman, Carol L. Ensinger, Russell C. Petter, James E. Dowling, Gnanasambandam Kumarvel, He Xi Chang, and Ko-Chung Lin, hereby revokes all powers of attorney heretofore existing in said United States patent application, and hereby appoints James F. Haley, Registration No. 27,794, Karen Mangasarian, Registration No. 43,772, and Kristin M. Joslyn, Registration No. 47,692, as its principal attorneys of record in said United States patent application, with full power of substitution and revocation including the power to appoint associate

attorneys and to revoke their powers, to prosecute this application, to make alterations and amendments therein, to receive the Letters Patent and to transact all business in the Patent and Trademark Office pertaining thereto.

The Patent and Trademark Office is respectfully requested to direct all correspondence and telephone calls to:

James F. Haley  
FISH & NEAVE  
1251 Avenue of the Americas  
New York, New York 10020-1104  
Tel.: (212) 596-9000.

Pursuant to 37 C.F.R. § 3.73(b), the undersigned hereby states and certifies as follows:

1. I am an officer of assignee corporation and am authorized to act on behalf of assignee corporation with respect to the above-identified application; and

2. The relevant evidentiary documents have been reviewed and, to the best of my knowledge and belief, the entire right, title and interest to this application are in the assignee.

Biogen, Inc.

  
Date

By: 

Name: James G. Hale

Title: Chief Counsel, Int. Property  
of Asst. Secretary

ASSIGNMENT

For valuable consideration, we, WILLIAM F. KIESMAN of Wayland, MA, CAROL L. ENSINGER of Chelmsford, MA, RUSSELL C. PETTER of Stow, MA, JAMES E. DOWLING of Scituate, MA, GNANASAMBANDAM KUMARAVEL of Westford, MA, HE XI CHANG of Belmont, MA, KO-CHUNG LIN of Lexington, MA, hereby assign to:

Biogen, Inc., a Massachusetts corporation having a place of business at:

14 Cambridge Center  
Cambridge, Massachusetts 02142; and

its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled ADENOSINE RECEPTOR ANTAGONISTS AND METHODS OF MAKING AND USING THE SAME, filed November 13, 2000, and assigned U.S. Serial Number 09/711,543, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge  
this 21 day of May, 2001

HEXI CHANG

L.S.

Commonwealth  
State of MASSACHUSETTS:

: ss.

County of MIDDLESEX :

Before me this 21<sup>st</sup> day of MAY, 2001, personally  
appeared HEXI CHANG known to me to be the person whose name is subscribed to the  
foregoing Assignment and acknowledged that he executed the same as his free act and deed for  
the purposes therein contained.

Leonda J. Shumader  
Notary Public

My Commission Expires:

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge,  
this 21 day of May, 2001

KO-CHUNG LIN

L.S.

Commonwealth  
State of MASSACHUSETTS

: ss.

County of MIDDLESEX :

Before me this 21<sup>st</sup> day of MAY, 2001, personally  
appeared KO-CHUNG LIN known to me to be the person whose name is subscribed to the  
foregoing Assignment and acknowledged that he executed the same as his free act and deed for  
the purposes therein contained.

Leanda A. Shumaker  
Notary Public

My Commission Expires:

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge,  
this 21 day of May, 2001  
Gnanasambandam Kumaravel  
GNANASAMBANDAM KUMARAVEL L.S.

Commonwealth  
State of MASSACHUSETTS :

: ss.

County of MIDDLESEX :

Before me this 21<sup>st</sup> day of MAY, 2001, personally  
appeared GNANASAMBANDAM KUMARAVEL known to me to be the person whose name  
is subscribed to the foregoing Assignment and acknowledged that he executed the same as his  
free act and deed for the purposes therein contained.

Linda J. Shumaker  
Notary Public

My Commission Expires: 08/03/01

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge MA,  
this 21<sup>st</sup> day of May, 2001

WILLIAM F. KIESMAN

L.S.

THE COMMONWEALTH  
State of MASSACHUSETTS :

: ss.

County of MIDDLESEX :

Before me this 21<sup>st</sup> day of MAY, 2001, personally  
appeared WILLIAM F. KIESMAN known to me to be the person whose name is subscribed to  
the foregoing Assignment and acknowledged that he executed the same as his free act and deed  
for the purposes therein contained.

Linda J. Shumaker  
Notary Public

My Commission Expires:

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at CAMBRIDGE,  
this 21<sup>st</sup> day of MAY, 2001  
James E. Dowling  
JAMES E. DOWLING

L.S.

COMMONWEALTH  
State of MASSACHUSETTS:

: ss.

County of MIDDLESEX:

Before me this 21<sup>st</sup> day of MAY, 2001, personally  
appeared JAMES E. DOWLING known to me to be the person whose name is subscribed to the  
foregoing Assignment and acknowledged that he executed the same as his free act and deed for  
the purposes therein contained.

Leslie J. Shumaker  
Notary Public

My Commission Expires: 08/03/01

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at CAMBRIDGE, MA,  
this 21<sup>st</sup> day of May, 2001

Carol L. Ensinger  
CAROL L. ENSINGER

L.S.

Commonwealth

State of MASSACHUSETTS :

: ss.

County of MIDDLESEX :

Before me this 21<sup>st</sup> day of MAY, 2001, personally  
appeared CAROL L. ENSINGER known to me to be the person whose name is subscribed to  
the foregoing Assignment and acknowledged that he executed the same as his free act and deed  
for the purposes therein contained.

Donald J. Shumacher  
Notary Public

My Commission Expires: 08/03/01

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge,  
this 21<sup>st</sup> day of May, 20 01

Russell C. Petter)

L.S.

Commonwealth  
State of MASSACHUSETTS :

: ss.

County of Middlesex :

Before me this 21<sup>st</sup> day of May, 20 01, personally  
appeared RUSSELL C. PETTER known to me to be the person whose name is subscribed to the  
foregoing Assignment and acknowledged that he executed the same as his free act and deed for  
the purposes therein contained.

Lyman J. Shumaker  
Notary Public

My Commission Expires:

08/03/01

[Notary's Seal Here]



UNITED STATES PATENT AND TRADEMARK OFFICE

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Page 1 of 1  
Us. Patent, 959  
Patents  
COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/711,543	11/13/2000	William F. Kiesman	10274-028001 / A085 US

CONFIRMATION NO. 7145

James F. Haley  
FISH & NEAVE  
1251 Avenue of the Americas  
New York, NY 10020-1104



\*OC00000007612403\*

Date Mailed: 03/11/2002

**NOTICE REGARDING POWER OF ATTORNEY**

This is in response to the Power of Attorney filed 10/19/2001.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

**R E C E I V E D**

MAR 18 2002

FISH & NEAVE - PATENT DEPT.  
REFERRED TO JMJ  
NOTED BY EW

MAMYE I WAGSTAFF  
MAMYE I WAGSTAFF  
1700 (703) 308-1235

ATTORNEY/APPLICANT COPY